

Abstract of the Disclosure

A maxillofacial anchoring and distraction system having an internally threaded anchoring or distraction fixture (12) and a selected length jack screw (14) for placement in an osteotomy. To minimize required bone height, a cut-away bone screw (16) or a solid mesh tip (17) is provided for insertion in bone in a direction generally perpendicular to the longitudinal axes of the anchoring and jack screws. A flat surface portion (16c, 17a) serves as a reaction surface for the distal end of the jack screw. In a second embodiment a sealing screw (24) is used with distraction fixture (20) modified to include a sealing surface. After completion of distraction the sealing screw is used to seal off the distraction fixture for conversion into an implant suitable for receiving conventional prosthetic components.

10017219 424504